

**MATSCI 162/172**  
**Clues for Weekly Quiz #4**

There will be three questions in this Quiz.

Main Points:

1. Bragg-Brentano powder diffraction geometry.  
Goniometer  $\theta$  and  $2\theta$  motor movements.
2. Calculation of d-spacing for rectangular unit cells. Bragg's law.
3. Bragg's law.